

Project Categories

Heavy-Duty Trucks and Buses

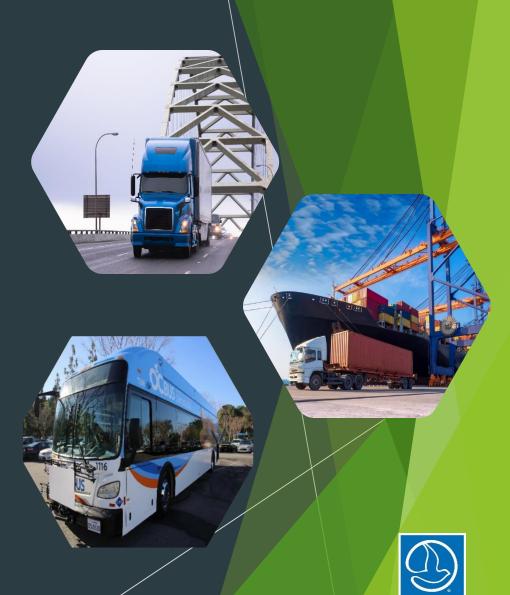
- >14,000 lbs. GVWR
- Statewide Truck and Bus Regulation

Drayage Trucks

- Registered in Drayage Truck Registry
- >26,000 lbs. GVWR

Transit Vehicles

- Urban buses -greater than 35 feet in length and 33,000 lbs. GVWR
- Transit Fleet Vehicles -less than 35 feet in length and 33,000 lbs. GVWR



Project Categories (Continued)

Solid Waste Collection Vehicles (SWCV)

- Compliant with final SWCV Regulation (2006 and older engines)
- Compliance with Truck and Bus Regulation (2007 and newer engines)

Emergency Vehicles

- Fire trucks, prisoner transport buses, pumpers, ladder trucks and water tenders
- Defined in CA Vehicle Code Sections 27156.2 & 165
- Replacement option only





Project Options

- Replacement: The replacement of an older, high polluting vehicle with a newer, cleaner one
- Repower: Replacing an older, high polluting engine with a newer, cleaner one (note: prototype may be required if repower has not been previously demonstrated)
- Conversion: Replacing or modifying the original engine/vehicle to a hybrid or zero emission technology



Eligibility Requirements Existing Vehicle



- EMY 2007 to 2010 (some exceptions)
- Compliance deadline no earlier than 1/1/2023
- Vehicle must be operational
- 75% of usage in South Coast Air Basin
- Clean Vehicle Title (No Lien)
- DMV Registration & Proof of Insurance (previous 24 months)
 - Seasonal registration may be eligible (3-6 months continuous registration per 12 month period for the prior 24 months)
- Usage documentation prior 24 months
- Executive Order for Existing Engine
- Photo verifying GVWR and engine tag
- Compliance with applicable Regulation



Eligibility RequirementsReplacement Vehicle



- EMY 2013 or newer
- Fleet size 1-10: Replacement vehicle with engine certified at or below 0.10 g/bhp-hr NOx
- Fleet size > 10: Must select optional low NOx (0.02 g/bhp-hr) or zero emission
- Engine's intended service class must match replacement vehicle's weight class (e.g., a MHD engine must be used in a vehicle with GVWR 19,501-33,000 lbs.)
- Mileage Caps for Used Replacement Truck
 - HHD 500,000 miles, MHD 250,000 miles, LHD 150,000 miles
- Warranty Minimum of 1 year or 100K miles including parts & labor
- California registration or California IRP



Eligibility Requirements Repower



- Engines must be certified by CARB
- 0.10 g/bhp-hr NOx or cleaner
- Compliance Check Requirement (Based on VIN)
- Written confirmation from manufacturer
- Prototype testing may be required
 - No CMP funds can be used for prototype vehicle



Documentation of Compliance Status

Fleet subject to the Statewide Truck and Bus Regulation (TRUCRS)

- A Copy of the TRUCRS Fleet list with compliance option for each
- A Copy of the Compliance Certificate printed from TRUCRS

Vehicle subject to the Drayage Truck Regulation

 DTR Compliance Search Page Printout showing VIN and compliance status

Vehicle subject to other applicable CARB Regulation

- SOUTH COAST AQMD will verify the compliance status with CARB
- Complete Fleet Compliance is Needed



Project Life

Truck Replacement	7 years

- Transit Bus Replacement 12 years
- Repower 7 years
- Electric Conversion
 5 years
- Emergency Vehicle Replacement 14 years
- Other On-Road Projects
 3 years

Regulatory requirements may reduce the project life shown above A longer project life may be considered on a case-by-case basis



Maximum Funding Amounts by Project Type

V 1 : 1	Zero Emission Replacement or Conversion	Low NOx Replacement			
Vehicle Type		(0.02 g/bhp-hr)	(0.05 g/bhp-hr)	(0.10 g/bhp-hr)	Low NOx Repower
Class 8	\$200,000	\$100,000	\$80,000	\$70,000	
Class 7	\$150,000	\$80,000	\$60,000	\$50,000	
Class 6	\$150,000	\$80,000	\$60,000	\$50,000	\$40,000
Class 5	\$80,000	\$70,000	\$50,000	\$40,000	
Class 4	\$80,000	\$70,000	\$50,000	\$40,000	
Transit Bus	\$80,000	\$25,000	\$25,000	\$25,000	\$20,000
Emergency Up to 80% of cost			10	N/A	



Note: No more than 80% of the eligible cost for fleets with ≤10 vehicles; no more than 50% of the eligible cost for larger fleets.

Funding Amount Examples

Equipment Type	Baseline Engine Model Year	New Replacement Technology	Potential Funding	Annual Usage (miles)	Funding Amount
Transit Bus*	2008	Zero Emission	\$80,000 or 80% of eligible project cost	29,000	\$25,000
HHD Truck	2007	Low NOx (0.02g/bhp-hr NOx)	\$100,000 or 80% of eligible project cost	60,000	\$100,000
HHD Truck	2008	Low NOx (0.02g/bhp-hr NOx)	\$100,000 or 80% of eligible project cost	15,000	\$25,500
HHD Truck	2007	Zero Emission	\$200,000 or 80% of eligible project cost	70,000	\$125,000

^{*} This project's baseline vehicle is CNG fueled



Case-By-Case Projects

- On-road heavy-duty vehicles with GVWR of 8,501 -14,000 lbs.
- Retrofit projects
 - Must reduce NOx emissions by at least 15%, and at or below the 0.02 g/bhp-hr optional low NOx standard
- Transport Refrigeration Units (TRUs) zero emission replacement projects only
- Auxiliary Power Units (APUs)
- Projects using Power Take-Off (PTO) hours of operation



Required Inspections

South Coast AQMD will not pay invoices until all four inspections have been performed and approved

Pre Inspection Post Inspection Pre-Dismantle Inspection

Destruction Inspection

- After project approval, before or after contract execution
- Verifies
 operational
 status, EMY,
 GVWR, ESM,
 same as
 application
- Before replacement engine/vehicle is delivered to fleet
- Verifies the technology, engine duty cycle, GVWR

- Verifies truck is operational, intact and not stripped
- Existing truck must be delivered to dismantler within 60 days after new truck delivery

- Engine and frame rail destruction
- Destructed < 60 days after dismantler receipt
- Dismantler provides photos within 10 business days



Additional Resources

Resource	Site Address
HVIP	https://www.californiahvip.org/
Truck & Bus Regulation	https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation
The Truck Stop 1-866-6DIESEL	https://ww3.arb.ca.gov/msprog/truckstop/truckstop.htm
Carl Moyer Grant Calculator	https://ww3.arb.ca.gov/msprog/moyer/grant_calculator/grant_calculator6iframe.htm



APPLICATION DEADLINE

TUESDAY AUGUST 4, 2020 AT 1PM

https://carlmoyeronline.aqmd.gov/

FOR PAPER APPLICATIONS:

www.aqmd.gov/moyer





Questions/Comments

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